Panasonic

MAZE062D

Silicon planar type

For surge absorption circuit

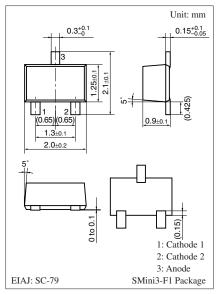
Features

• Low joint capacity zener diode

Absolute Maximum Ratings T	$f_a = 25^{\circ}C$
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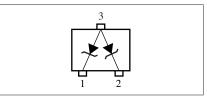
Parameter	Symbol	Rating	Unit	
Repetitive peak forward current	nt I _{FRM} 200		mA	
Power dissipation *	P _D	150	mW	
Junction temperature	Tj	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

Note) *: $P_D = 200 \text{ mW}$ achieved with a printed circuit board.



Marking Symbol: 6.2C

Internal connection



Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 10 \text{ mA}$		0.9	1.0	V
Zener voltage *	VZ	$I_Z = 5 \text{ mA}$	5.9		6.5	V
Zener rise operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			100	Ω
Zener operating resistance	R _Z	$I_Z = 5 \text{ mA}$			30	Ω
Reverse current	I _R	V _R = 5.5 V			3	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		8		pF

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

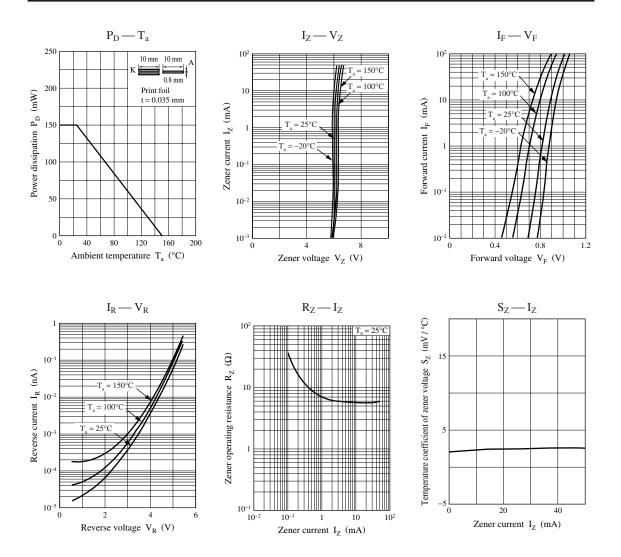
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.2. Absolute frequency of input and output is 5 MHz.

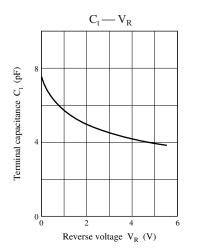
3. Electrostatic breakdown voltage: ± 15 kV Test method: IEC-801 (C = 150 pF, R = 330 Ω , Contact discharge: 10 times) Test unit: ESS-200AX

4. *: The V_Z value is for the temperature of 25°C. In other cases, carry out the temperature compensation. Guaranteed at 20 ms after power application.

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